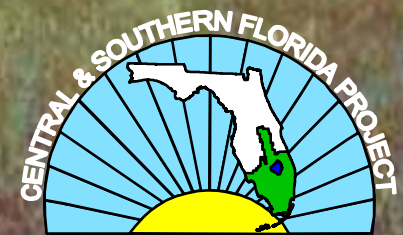


Comprehensive Everglades Restoration Plan Implementation Overview

**Agnes McLean
South Florida
Water Management District**



**COMPREHENSIVE
EVERGLADES
RESTORATION PLAN**

Water Resources Development Act of 1999



- **Key Provision**
 - In-Kind Crediting for Local Sponsors
- **Project Authorizations**
 - Lake Okeechobee Aquifer Storage and Recovery Pilot Project
 - Hillsboro/Site 1 Aquifer Storage and Recovery Pilot

Water Resources Development Act of 2000 Everglades Provisions








- **Approval of Comprehensive Plan**
- **Initial Authorization of Pilot Projects and Key Components**
- **Programmatic Authority**
- **Future Authorization of Components**
- **Assurance of Project Benefits**
- **Periodic Progress Reports**

Water Resources Development Acts of 2000

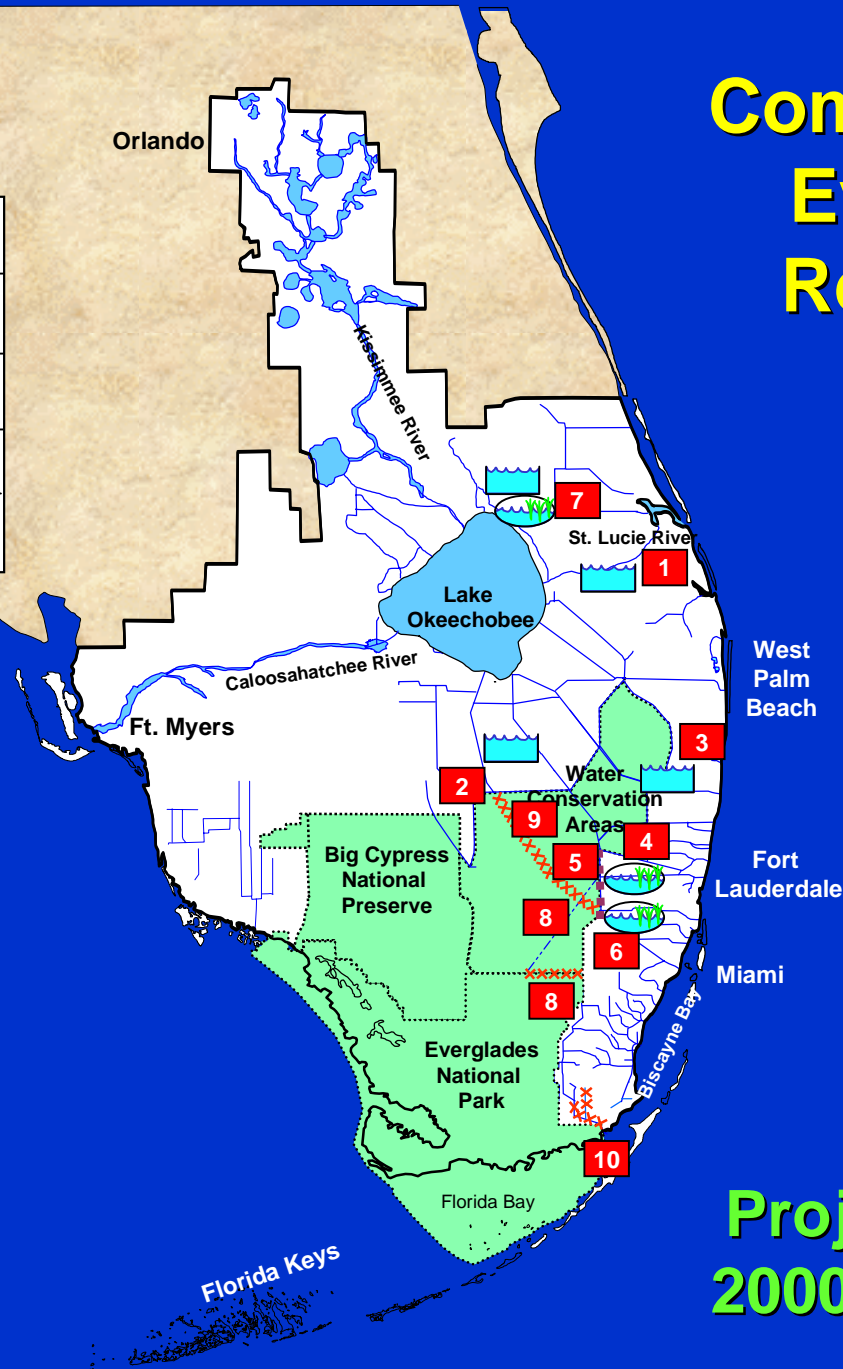
Project Authorizations

C-44 Basin Storage Reservoir	\$112,562,000
Ever. Agric. Area Storage Reservoirs - Phase I	\$233,408,000
Site 1 Impoundment	\$ 38,535,000
WCAs 3A / 3B Levee Seepage Management	\$100,335,000
C-11 Impoundment & Stormwater Treatment Area	\$124,837,000
C-9 Impoundment & Stormwater Treatment Area	\$ 89,146,000
Taylor Creek / Nubbin Slough Storage and Treatment Area	\$104,027,000
Decomartmentalization - Phase I	\$ 26,946,000
North New River Improvements	\$ 77,087,000
C-111N Spreader Canal	\$ 94,035,000
Adaptive Assessment and Monitoring Program	\$100,000,000
TOTAL	\$1,100,918,000

Comprehensive Everglades Restoration Plan

	AQUIFER STORAGE & RECOVERY
	SURFACE WATER STORAGE RESERVOIR
	STORMWATER TREATMENT AREAS (STAs)
	SEEPAGE MANAGEMENT
	REMOVING BARRIERS TO SHEETFLOW

- 1** C-44 Basin Storage Reservoir
- 2** Everglades Agricultural Area Storage Reservoirs (Phase 1)
- 3** Site 1 Impoundment
- 4** C-11 Impoundment Management
- 5** WCA 3 Levee Seepage
- 6** C-9 Impoundment
- 7** Taylor Creek/Nubbin Slough Storage and Treatment Area
- 8** Decompartmentalization WCA 3 (Phase 1)
- 9** North New River Impoundment
- 10** C-111N Spreader Canal



**Projects in WRDA
2000 Authorization**

Programmatic Authority

- Applies to C&SF Project modifications described in the Plan
- Requires preparation of Project Implementation Report and approval by the Secretary of the Army
- Funding Limitations
 - Maximum Federal cost of \$12,500,000 per project
 - Maximum total cost of \$25,000,000 per project
 - Total maximum aggregate cost of \$206,000,000

Authorization of Future Projects

- **Projects in the Plan not authorized in WRDA 2000 will require specific Congressional authorization**
- **Project Implementation Report needs to be prepared and submitted to Congress before seeking authorization**

Cost Sharing

- 50-50 cost sharing for projects in the Plan
- Non-Federal sponsor responsible for LERRD's
- Non-Federal sponsor may use Federal funds for LERRD's (credited towards Federal share)
- 50-50 cost sharing for operation and maintenance of Plan features
- In-Kind for all work to offset cost share
- Feasibility Studies cost share may be 100% In-Kind
- Credit can be shared between projects

Assurance of Project Benefits

- **Agreement between President and Governor**
- **Programmatic Regulations within 2 years to ensure goals and purposes of Plan are achieved**
- **Project Specific Assurances**
- **Savings Clause**

Independent Scientific Review

- **Establish independent scientific review panel**
- **Panel to produce biennial report to Congress**

Periodic Progress Reports

- **Requires progress reports to Congress every five years**

Outreach and Assistance

- **Opportunities for small businesses owned by socially and economically disadvantaged individuals**
- **Opportunities for community outreach and education**

State of Florida Legislation

- In 1999, the Florida Legislature amended s. 373.026, F.S. and created s. 373.1501, F.S. (the “Restudy Bill”)
- In 2000, the Florida Legislature created s. 373.470, F.S., which created the “Everglades Restoration Investment Act”

CERP Process for FDEP Approval

Approval Criteria Pursuant to s. 373.1501, F.S.

Project Preconstruction, Engineering and Design Activities

Project Implementation Report to be conducted in concert with:

- **Field investigations, advanced plan formulation, general engineering & design and development of supplemental NEPA**
- **Comprehensive needs analysis and water resource issues to include water supply, water quality, flood protection, threatened & endangered species and other natural system & habitat needs**
- **Feasibility determination for project that includes standard engineering practices, technical feasibility, efficiency & cost-effectiveness and consistency with CERP purposes**

CERP Process for FDEP Approval

Approval Criteria Pursuant to s. 373.1501, F.S.

Project Preconstruction, Engineering and Design Activities

- Project consistent with applicable law & regulations such as existing legal users assurances, flood protection assurances, adaptive water management practices and permissibility and
- Minimize impacts to & relocation of utilities and public infrastructure

Project Approval

- Final Compliance Report - there is a 60 day FDEP review and approval period in the law, to approve, or approve with amendments, and requires an expedited Ch 120 hearing, if necessary (s. 373.026, F. S.)

State Funding for CERP

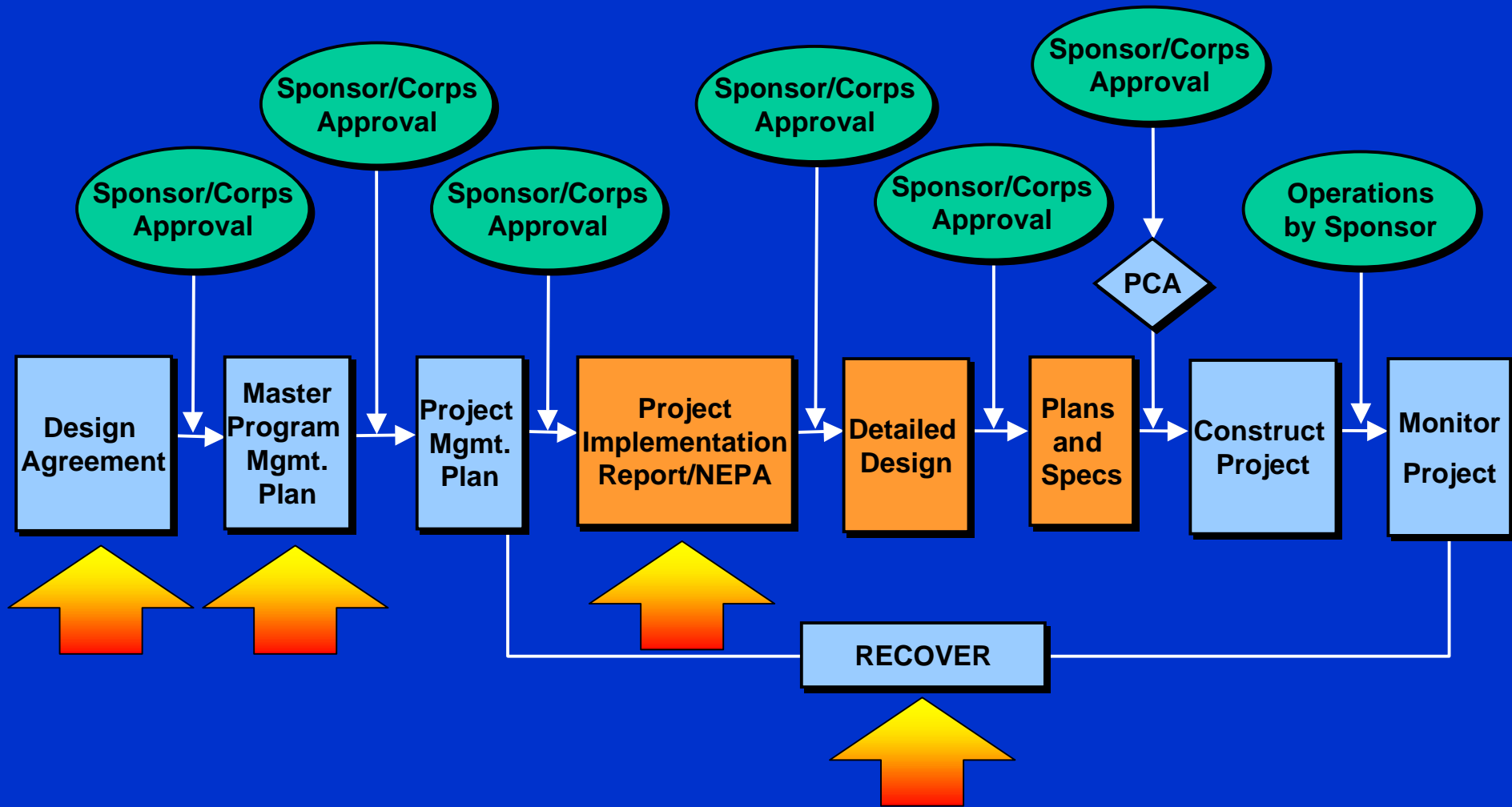
Everglades Restoration Investment Act (Ch 373.470, F.S.)

- **Provides for deposits to and distributions from the Save Our Everglades Trust Fund**
- **Identifies State funding for first 10 years of Comprehensive Plan implementation**
- **Requires an annual progress report**
- **Requires that each project implementation report identify the increase in water supplies resulting from the project**

Implementing the Restoration Plan

- Requires managing as an integrated program with linkages to other on-going projects
- Consists of 37 separate projects (including pilot projects)
- Some projects have multiple phases
- Also requires system-wide analyses and program level activities

CERP Development Process



Design Agreement

Features

- Executed between the SFWMD and the Secretary of the Army
- \$712 million in design effort
- 56 components, 6 pilot projects and programmatic activities
- 50/50 cost sharing for all design effort (including thru construction)
- Manages design programmatically
- Establishes Design Coordination Team
- Requires a Master Program Management Plan
- Project management plans for projects & programmatic work

Master Program Management Plan

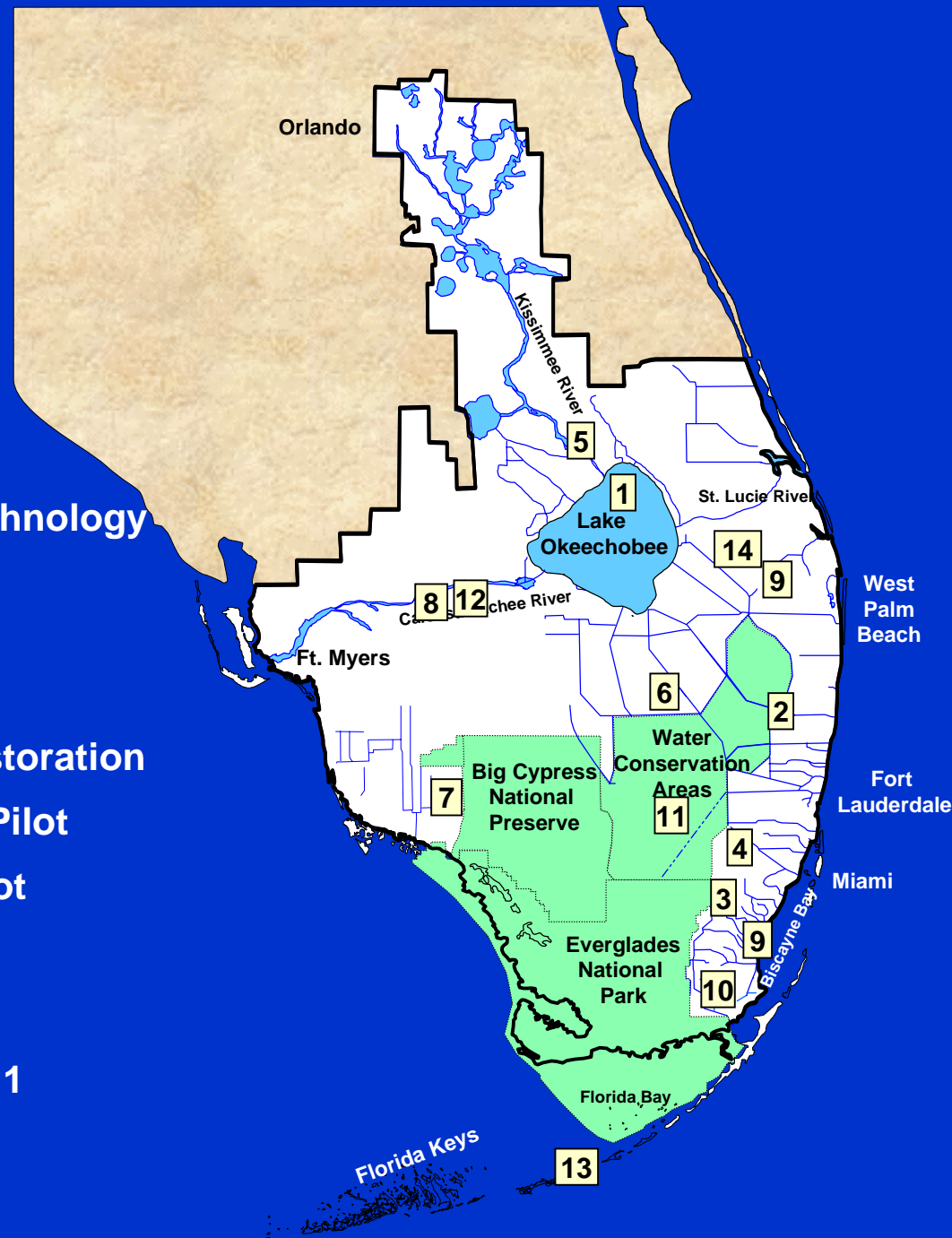
- Defines the framework for the management of the Program
- Provides a “cookbook” for project management plans
- Reflects the unique provisions of the Design Agreement
- Articulates business processes between our agencies

Project Implementation Report

- Planning document for State and Federal authorization
- Detailed project-specific formulation
- Continued extensive public outreach
- Continued interdisciplinary/interagency teams

Initial Projects

1. Lake Okeechobee ASR Pilot
2. Hillsboro Site 1 Impoundment and ASR Pilot
3. L-31 N Seepage Management Pilot
4. Lake Belt In-Ground Reservoir Technology Pilot
5. Lake Okeechobee Watershed
6. EAA Reservoir Phase 1
7. Southern Golden Gate Estates Restoration
8. Caloosahatchee River Basin ASR Pilot
9. Wastewater Reuse Technology Pilot
10. C-111N Spreader Canal
11. Decompartmentalization Phase 1
12. C-43 Basin Storage Reservoir Part 1
13. Florida Keys Tidal Restoration
14. North Palm Beach County



Feasibility Studies

Indian River Lagoon Feasibility Study

1. C-44 Storage

Water Preserve Area Feasibility Study

2. Hillsboro Impoundment

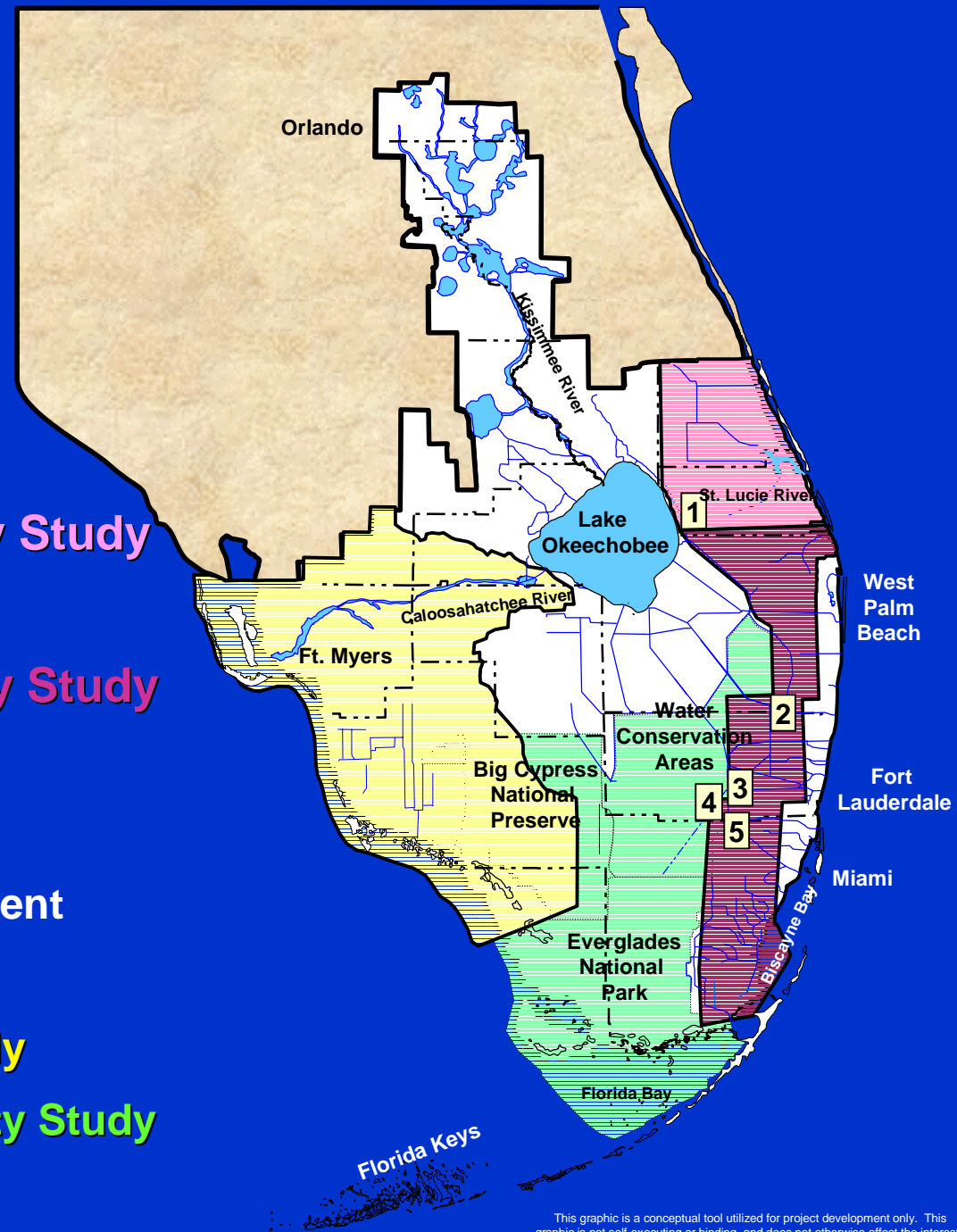
3. C-11 Impoundment

4. WCA 3A/3B Seepage Management

5. C-9 Impoundment

Southwest Florida Feasibility Study

Florida Bay/Florida Keys Feasibility Study



Program Level Activities

- Restoration Coordination and Verification (RECOVER)
- Program Controls
- Public Involvement and Outreach
- Socio-economics and Environmental Justice
- Data Management
- Other Program - Level Activities
 - Geodetic Surveys
 - Regional ASR Studies
 - Real Estate Data Base

Adaptive Assessment (RECOVER)



- Integral part of plan implementation
- Systematic process to address uncertainties associated with ecological responses
- Regional monitoring program key to process

WHAT IS RECOVER?

- **RECOVER - Restoration Coordination and Verification**
- **Role - Organize and apply scientific and technical information to support the objectives of CERP**
- **Composition - Interdisciplinary, interagency team with Corps and SFWMD jointly responsible**
- **Scope - Programmatic, system-wide, for duration of CERP**

RECOVER Participants

- **Sponsoring Agencies**

- U.S. Army Corps of Engineers
- South Florida Water Management District

- **Participating Agencies & Tribes**

- National Park Service
- Fish & Wildlife Service
- NOAA, National Marine Fisheries
- U.S. Geological Survey
- Environmental Protection Agency
- National Resources conservation Service
- Florida Department Environmental Protection
- Florida Fish & Wildlife Conservation Commission
- Florida Department of Agriculture & Consumer Services
- Miami-Dade, Broward, Palm Beach, Lee counties
- Seminole and Miccosukee tribes

RECOVER Teams

**RECOVER
Leadership Group**

**Adaptive
Assessment
Team**

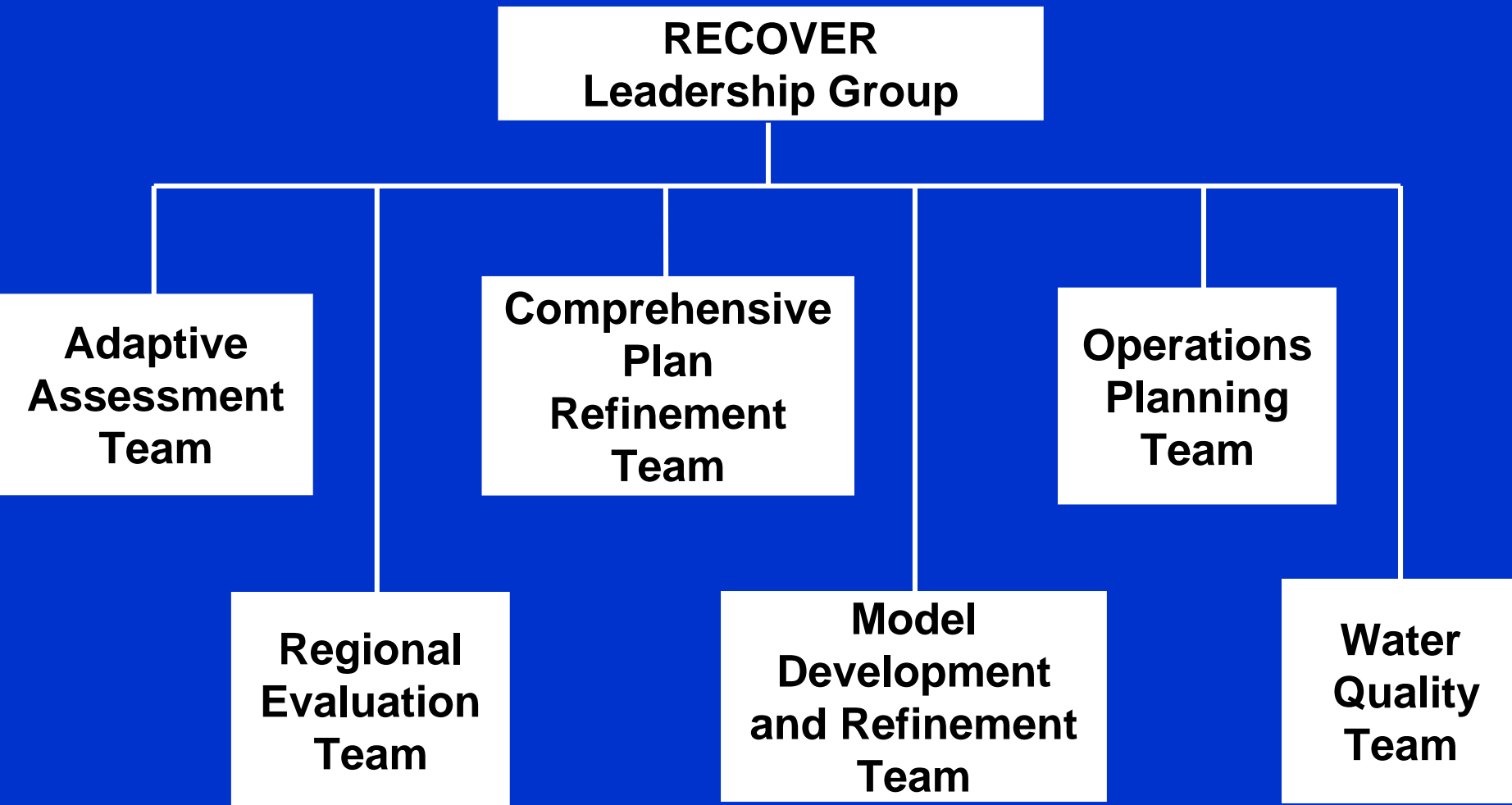
**Comprehensive
Plan
Refinement
Team**

**Operations
Planning
Team**

**Regional
Evaluation
Team**

**Model
Development
and Refinement
Team**

**Water
Quality
Team**



Summary of SFWMD Responsibilities

- **All real estate acquisition**
- **50% of Preconstruction Engineering and Design**
- **50% of Monitoring and Adaptive Assessment under RECOVER**
- **A significant portion of construction and construction management**

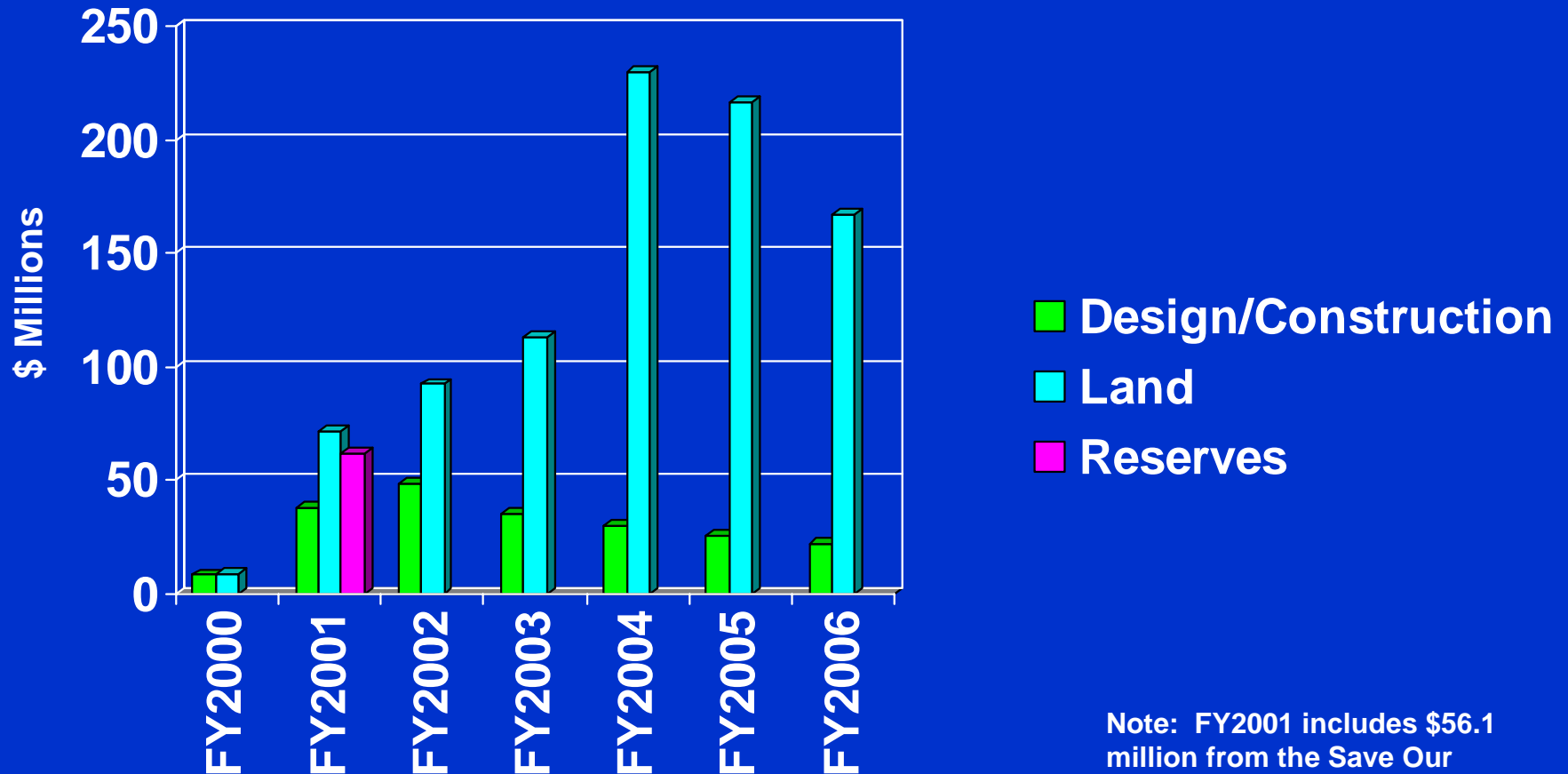
CERP Workload for FY01 and FY02

Project Activities

● Feasibility Studies	4
● Project Management Plans	27
● Project Implementation Reports	10
● Detailed Design	18
● Real Estate Acquisition	13
● Construction	7*

* Critical restoration projects

Comprehensive Everglades Restoration Plan Non-Federal Expenditures



Note: FY2001 includes \$56.1 million from the Save Our Everglades Trust Fund for Cell 11 land acquisition

Activities for FY 2001 and 2002

- **Complete Indian River Lagoon Feasibility Study**
- **Complete Water Preserve Area Feasibility Study**
- **Continue Design of Initial Set of Projects and Initiate Design on New Projects**
- **Continue Adaptive Assessment Activities and Implement Monitoring & Assessment Plan**
- **Implement Public Outreach and Socio-Economics and Environmental Justice Plans**
- **Continue Development of WRDA 2000 Provisions**
- **Continue Acquisition of CERP Lands**
- **Initiate Southwest Florida Study**
- **Initiate Florida Bay/ Florida Keys Feasibility Study**

www.evergladesplan.org

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web site

